

Learning Path for Grade 5

OUR PHILOSOPHY

LOVE MATH AND MASTER IT!

With cutting edge courses to make Math simple and fun.



Mathematics is one of the most important subjects that children have to learn, as it plays one of the biggest roles in their lives and education. No matter what field of work they decide to enter, some form of Mathematics is involved.

“Without Mathematics, there is nothing you can do. Everything around you is Mathematics, everything around you is numbers.” - Shakuntala Devi

Middle school is a transformative time for students. It is a crucial point in their development to help prepare them for high school by establishing an independent thinking skills strategy and enable practical learning through exposure to mental math and reasoning.

‘Fear for Math’ has been identified as one of the biggest problems faced by children in learning Mathematics.

Our PurpleMath curriculum has been developed to ensure every child can achieve excellence in Math by falling in ‘love with Math’. All lessons and activities are designed to spark curiosity and excitement to help nurture confidence in Math. Children can experience a sense of awe and wonder as they solve a problem for the first time, discover different solutions and make links between different areas of Math. It provides them with a deep understanding of the subject through a concrete, pictorial and abstract approach.



Learning Path for Grade 5

EXPLORER 19 SESSIONS



PROFICIENT 50 SESSIONS



MASTER 100 SESSIONS

Concepts Covered

Number Operations (Multiplication + Division + Mixed operations + Order of Operations)

What Will Your Child Do?

- Times tables(up to 12)
- Multiplication of Distributive property
- Basics of Division
- Dividing 2, 3 & 4-digit dividends by 1 & 2-digit divisors
- Divide 2 & 3 digit numbers by 1-digit number
- Divide 4, 3 & 2-digit numbers by 2-digit numbers
- Divide 4-digit numbers by 2-digit numbers
- With & without remainder division problems
- Mixed operation - One & two step word problems
- Order of operations using the PMDAS rule

Concepts Covered

Explorer + Factors and Multiples + Divisibility rules + Fractions + Decimals

What Will Your Child Do?

- Factors and Multiples - LCM & HCF
- Divisibility rules
- Fractions - Basics & Terms
- Halves & Quarters
- Types of fractions - Equivalent fractions
- Simplifying fractions & using number line
- Adding and Subtracting like & unlike fractions
- Fraction word problems
- Introduction to decimals - Relating fractions & decimals
- Like & Unlike decimals
- Add & Subtract decimals

Concepts Covered

Proficient + Percentages + Rounding & Estimation + Measurement + Geometry + Data Handling

What Will Your Child Do?

- Percentages & Converting percentages
- Rounding & estimation of whole numbers up to billions
- Customary units, Time, Calendar, Monetary system, Volume, Distance - Measurement
- Lines & Angles
- Polygons & their classification
- Area & perimeter + Symmetry
- Introduction to Data - Frequency & Graphs
- Venn diagrams
- Introduction to coordinate plane - Plotting points on graph

Benefits



- 20 Practice Sheets (Concept+ Mental Math+ Reasoning)
- 20+ Comprehensive Assessments
- 1 Summative Assessment
- Progress Report

Benefits



- 50 Practice Sheets (Concept+ Mental Math+ Reasoning)
- 50+ Comprehensive Assessments
- 3 Summative Assessment
- Progress Report

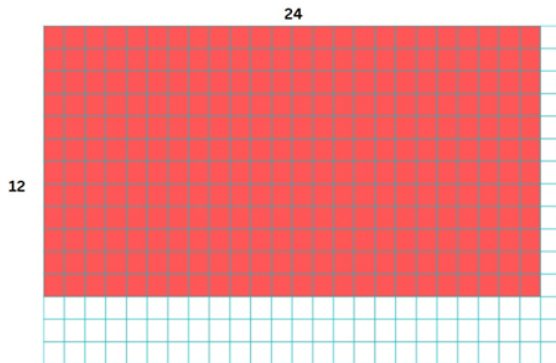
Benefits



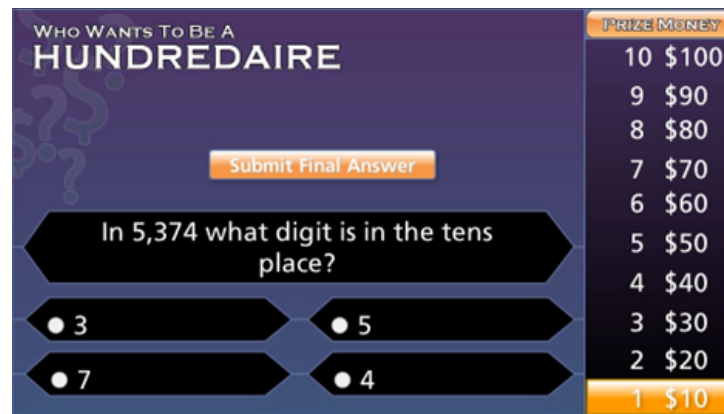
- 120 Practice Sheets (Concept+ Mental Math+ Reasoning)
- 100+ Comprehensive Assessments
- 6 Summative Assessment Progress Report
- Mastery in Grade 5 Mathematics Certificate

PurpleMath Projects

Students will create various projects on each concept on interactive and visual platforms.
Listed below are some such projects:



Area Models



Place value Millionaire

0	1	2	3	4	5	6	7	8	9
♦	♥	👁	★	👍	😬	☀	💧	❄	🔪



Decode and Solve